

King County DNRP Water Quality Index

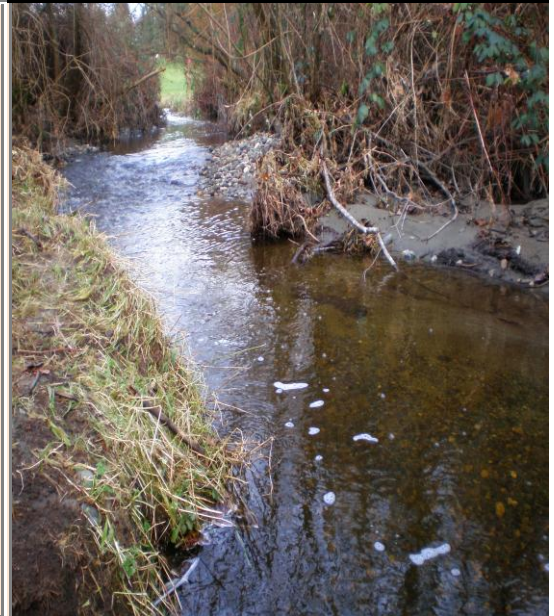
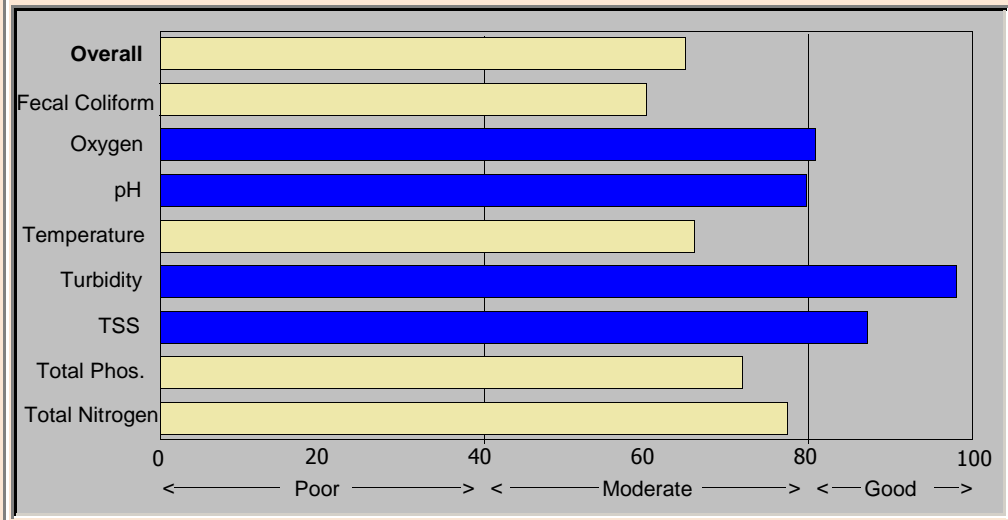
STATION **D444** WATER YEAR **2008**

GAUGE # 38C Kelsey Creek at Kelsey Creek Park Overall Index **65**

King County has monitored water quality in Kelsey Creek at two locations. Station D444 is located at the footbridge in the northeast quarter of Kelsey Creek Park. Water quality sampling at station D444 occurred from 1977 – 2008 when budget cutbacks forced King County to reduce its water quality monitoring program. The Kelsey Creek basin includes 19 miles of stream that drain into the east channel of Lake Washington near I-90 and has an area of 10,879 acres. The Kelsey Creek basin is heavily urbanized with less than 7% forest cover. High stormwater flows have caused Kelsey Creek to be rated “fair” for salmonid use, although Chinook, coho, and sockeye salmon have been consistently observed in the basin. Kelsey Creek is listed on the 2012 Washington Department of Ecology’s 303(d) list for violation of dissolved oxygen, temperature, and fecal coliform bacteria standards.

Annual Water Quality Index Scores

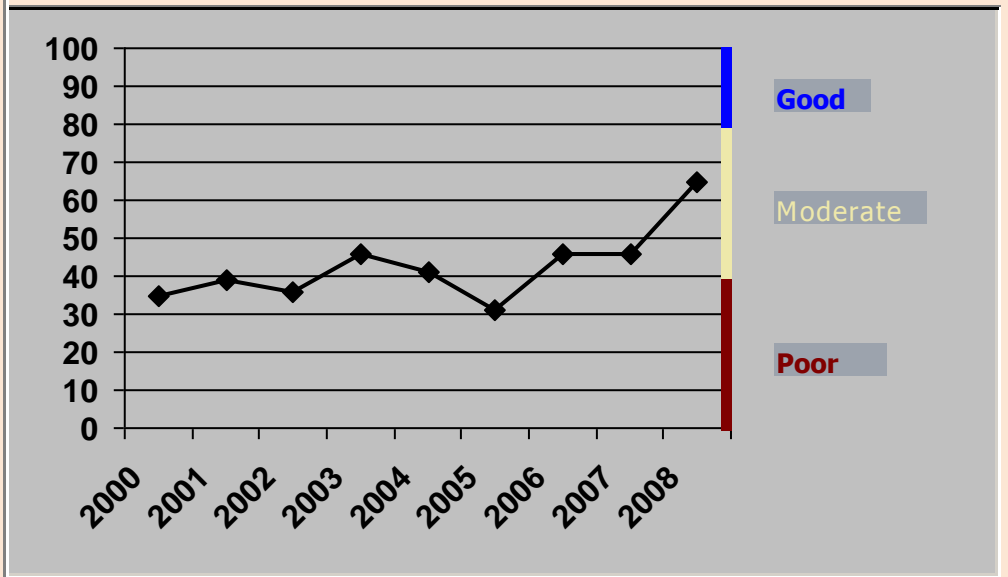
Water quality was MODERATE based on data collected 10/1/2007 to 9/30/2008.



Monthly Scores For Water Year 2008

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
82	59	63	87	93	87	90	82	91	73	74	86

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington’s Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of “low concern”, scores 40 to 80 indicate “moderate concern”, and water quality at stations with scores below 40 are of “high concern”. For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>